

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Ben Markin

GENERAL INFORMATION:

Name:	AFG Industries, Inc.
Address:	201 Duncannon Lane, Richmond, Kentucky 40475
Date application received:	February 08, 2002
SIC/Source description:	3211/Stone, Clay, Concrete, Glass and Concrete Products
EIS #:	21-151-00064
Application log number:	54485
Permit number:	V-03-055

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☒ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	PTE* (ton/yr)	Actual Emission** (ton/yr)
Carbon Monoxide	13.63	7.30
Nitrogen Oxides	1216.2	669.1
Sulfur Dioxide	220.25	145.3
Particulate Matter (PM ₁₀)	113.23	17.0
VOCs	57.9	27.89

*PTE – Potential to Emit

**Based on current data from Emission Survey Database

SOURCE PROCESS DESCRIPTION:

AFG Industries is an existing manufacturing plant that produces flat glass using the float process. Flat glass manufacturing operations consist of: the raw material handling, the melting furnace, the float or tin bath, the annealing lehr, the cutting and packaging section, the cullet return system, auxiliary services, and the emergency generator.

AFG Industries, Inc., is located on a site 6 km south of Richmond, Kentucky. The facility produces 600 tons per day of flat glass, which can be used for a number of applications including automobile windshields, architectural windows, appliances (stove, refrigerator glass), and decorative glass among other use types.

The facility was determined to be a major source and is currently operating under permit # V-97-010, which was issued on August 28, 1997. A detailed analysis and review of the BACT, Air Quality Impact Analysis, and Additional Impact Analysis was finalized prior to issuance of permit # V-97-010.

A renewal application was received on February 28, 2002 by the Division and was logged complete on December 04, 2003. There were no changes in the manufacturing process that significantly effect air emissions.